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3. (Amended) The AC generator of claim 1 wherein said stator slots number 10 times the number of rotor pole pairs.

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7. (Amended) The AC generator of claim 4 wherein each phase winding of the 5-phase windings is offset two stator teeth from the adjacent phase winding.

8. (Amended) The AC generator of claim 1 including a diode pair to capture zero sequence current from the neutral tie of a star connector configuration arrangement of the windings.

9. (Amended) The AC generator of claim 1 wherein the stator is wound with a short pitch wind, around fewer stator teeth, of the wire.